

Title (en)
IMAGE PROCESSING DEVICE, IMAGING DEVICE, MICROSCOPE SYSTEM, IMAGE PROCESSING METHOD, AND IMAGE PROCESSING PROGRAM

Title (de)
BILDVERARBEITUNGSVORRICHTUNG, BILDGEBUNGSVORRICHTUNG, MIKROSKOPSYSTEM, BILDVERARBEITUNGSVERFAHREN UND BILDVERARBEITUNGSPROGRAMM

Title (fr)
DISPOSITIF DE TRAITEMENT D'IMAGE, DISPOSITIF D'IMAGERIE, SYSTÈME DE MICROSCOPE, PROCÉDÉ DE TRAITEMENT D'IMAGE ET PROGRAMME DE TRAITEMENT D'IMAGE

Publication
EP 2796916 B1 20190227 (EN)

Application
EP 12860928 A 20120927

Priority
• JP 2011282300 A 20111222
• JP 2012074957 W 20120927

Abstract (en)
[origin: EP2796916A1] Provided is an image processing apparatus or the like, which is able to performed highly accurate shading correction by using image data of an image to be corrected. An image processing apparatus 11 includes: an image input unit 120 that inputs a plurality of images having a portion where at least a part of subjects thereof is common to one another; and a correction image generating unit 151 that generates a correction image used for correcting the plurality of images. The correction image generating unit 151 includes: a difference acquiring unit 153 that acquires a difference between luminance of pixels from two arbitrary images of the plurality of images, the two arbitrary images having a common portion where the subjects are common to one another; and a shading detection unit 154 that detects a shading component in the arbitrary images based on the difference.

IPC 8 full level
G02B 21/36 (2006.01); **G03B 37/00** (2006.01); **G06T 1/00** (2006.01); **G06T 5/00** (2006.01); **G06T 5/50** (2006.01); **H04N 5/217** (2011.01); **H04N 5/225** (2006.01); **H04N 5/232** (2006.01); **H04N 5/243** (2006.01); **H04N 5/357** (2011.01)

CPC (source: EP US)
G02B 21/365 (2013.01 - US); **G02B 21/367** (2013.01 - EP US); **G06T 5/50** (2013.01 - EP US); **G06T 5/94** (2024.01 - EP US); **H04N 23/695** (2023.01 - EP US); **H04N 23/80** (2023.01 - US); **H04N 25/61** (2023.01 - EP US); **H04N 25/63** (2023.01 - US); **G06T 2207/10056** (2013.01 - EP US); **G06T 2207/20172** (2013.01 - US); **H04N 23/95** (2023.01 - EP)

Cited by
DE102018123781A1; US11295484B2; DE102018123781B4

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2796916 A1 20141029; **EP 2796916 A4 20150819**; **EP 2796916 B1 20190227**; CN 104011580 A 20140827; CN 104011580 B 20160824; JP 2013132027 A 20130704; JP 5911296 B2 20160427; US 2014293035 A1 20141002; WO 2013094273 A1 20130627

DOCDB simple family (application)
EP 12860928 A 20120927; CN 201280063454 A 20120927; JP 2011282300 A 20111222; JP 2012074957 W 20120927; US 201414306418 A 20140617